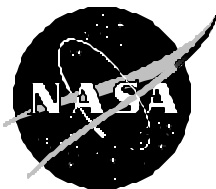


# **VERSION DESCRIPTION DOCUMENT FOR THE NASA PERSONNEL/PAYROLL SYSTEM**

Software Release  
8.0.3

PrISMS Contract

01/17/01



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, AL 35812



**VERSION DESCRIPTION DOCUMENT  
FOR THE  
NASA PERSONNEL/PAYROLL SYSTEM  
SOFTWARE RELEASE 8.0.3**

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GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, ALABAMA

January 17, 2001



**VERSION DESCRIPTION DOCUMENT  
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NASA PERSONNEL/PAYROLL SYSTEM  
SOFTWARE RELEASE 8.0.3**

Approved by

01/17/01

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
GEORGE C. MARSHALL SPACE FLIGHT CENTER  
HUNTSVILLE, AL

January 17, 2001



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## **1. INTRODUCTION**

This Version Description Document (VDD) identifies the exact version of the National Aeronautics and Space Administration (NASA) Personnel/Payroll System (NPPS) software released for installation/implementation.

### **1.1 IDENTIFICATION OF THE RELEASE**

System Name – NPPS

Release Number – Software Release 8.0.3

Release Effective Date – January 17, 2001

The release datasets will be made available to the support DBA for installation, at which time all centers will be notified that it has been installed in the appropriate test database.

### **1.2 PURPOSE OF THE RELEASE**

The purpose of this release is to implement the NPPS software allocated for this release in a test environment. The detailed description of the release is specified in Appendix C, Functional Change Validation Procedures.

### **1.3 SCOPE OF THE RELEASE**

The VDD provides the functional and technical user of NPPS with the following information regarding changes to the contents and status of the application, NPPS Release 8.0.3, including the following:

- Changes implemented since the last release
- References to other documents affected by this release
- Changes to application files and data formats
- Detailed software installation procedures
- Validation procedures to ensure the reliability of the software changes.

## **1.4 CONTACT POINTS**

Sustaining Engineering Support for Agencywide Administrative Systems (SESAAS) provides sustaining engineering for NPPS through the NASA Automated Data Processing (ADP) Consolidation Center (NACC) Technical Services Center located at Marshall Space Flight Center (MSFC). Questions regarding the function and/or the technical aspects as well as the installation of this release should be directed to:

The NACC Technical Services Center (use the following Key Words: SESAAS & NPPS)

Telephone: (256) 544-5516

E-Mail: [billy.graham@msfc.nasa.gov](mailto:billy.graham@msfc.nasa.gov)

FAX: (256) 544-1836

## **2. FUNCTIONAL INFORMATION**

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

### **2.1 FUNCTIONAL CHANGES**

Please refer to Appendix C, Functional Change Validation Procedures, for a description of all functional changes related to this release. Appendix D, Installation Instructions, describes all PREDICT changes related to this release.

### **2.2 FUNCTIONAL INTERFACES**

Not Applicable

### **2.3 CRITICAL ISSUES**

Not Applicable

### **2.4 AFFECTED DOCUMENTS**

The following document will be affected by this release:

NPPS System/Software Requirements Specification (SRS)  
NPPS-UOG-10, NPPS User and Operations Guide (UOG)

The modified pages of these documents will be distributed under separate cover.

### **2.5 APPLICATION SYSTEM ADMINISTRATION**

Not Applicable



### **3. TECHNICAL INFORMATION**

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration.

#### **3.1 TECHNICAL SYSTEM INTERFACES**

Not Applicable

#### **3.2 DATA DICTIONARY CHANGES**

Not applicable

#### **3.3 SOFTWARE OBJECT CHANGES**

Modified programs are specified in Paragraph 3.2 of Appendix D, Installation Instructions.

#### **3.4 DATABASE ADMINISTRATION**

The specific database administration activities for NPPS 8.0.3 are detailed in Appendix D, Installation Instructions.

##### **3.4.1 Release Dataset Names**

The datasets for Software Release 8.0.3 are included in the Introduction of Appendix D, Installation Instructions.

##### **3.4.2 Inventory of Objects**

An inventory of objects is described in Paragraph 3.2 of Appendix D, Installation Instructions.

##### **3.4.3 Storage Considerations**

Not Applicable

##### **3.4.4 Installation Procedures**

Refer to Appendix D, Installation Instructions, for detailed installation procedures.

### **3.5 OPERATIONAL PREPARATION**

Refer to the procedures described in Section 3.4.4 for assistance in preparing for proper installation and operational use of the release.

## **APPENDIX A**

### **ABBREVIATIONS AND ACRONYMS**





## **ABBREVIATIONS AND ACRONYMS**

ADP	Automated Data Processing
CPO	Consolidated Payroll Office
DBA	Database Administrator
DDM	Data Definition Module
DR	Discrepancy Report
GDG	Generation Data Group
HR	Human Resources
IRM	Information Resources Management
JCL	Job Control Language
L&E	Leave and Earnings Statement
MSFC	Marshall Space Flight Center
NACC	NASA ADP Consolidation Center
NASA	National Aeronautics and Space Administration
NOAC	Nature Of Action Code
NPPS	NASA Personnel/Payroll System
RC	Requirements Change
SESAAS	Sustaining Engineering Support for Agencywide Administrative Systems
SRS	System/Software Requirements Specification
TSP	Thrift Savings Plan
UOG	User Operations Guide
VDD	Version Description Document



## **APPENDIX B**

### **GLOSSARY**



## **GLOSSARY**

### **Consolidation Center**

Responsibility for processing and balancing payroll for all centers in the consolidated database.

### **Database Administration**

Responsibility for maintaining the physical database environment.

### **Implementation**

The process by which a NASA site installs a software release and places it into operational use.

### **Operational Preparation**

Preparation by a NASA site for installation and use of an application release.

### **System Administration**

Responsibility for administrative functions such as application security and table data maintenance associated with an application.



**APPENDIX C**  
**FUNCTIONAL CHANGE VALIDATION**  
**PROCEDURES**





# VALIDATION PROCEDURES SOFTWARE RELEASE 8.0.3 PERSONNEL & PAYROLL

## 1. 20010001

- A. **Purpose:** To correct a history update problem caused by the first pay period in year 2001 having a pay period ending date of 2000. The history update will now add the 12/30/2000 records without overlaying the 01/01/2000 entries. The history query screens (QHISTPP and all screens called by it) will correctly display history data when history is present. This change will require an entry of an eight digit date in this format, MMDDYYYY, which will be the pay period ending date.
- B. **Test Procedure 1:** Set CTLPAY to pay period beginning 12/19/1999 and pay period ending 01/01/2000, with pay period number 01. Give test employee good T&A. Run Job 4 to update history, run Job 5 and 6 to initialize the pay period. Verify that employee has history data for pay period 01 for the year 2000. From QHISTPP enter the pay period ending date and the SSN for employee. Data should be displayed for pay period 01. Change CTLPAY to pay period beginning 12/17/2000 and pay period ending 12/30/2000 with pay period number 01. Give employee good T&A and repeat the process above to make sure employee has history data. From QHISTPP enter the pay period ending date and the SSN, verify history data is present for the year 2001. On QHISTPP on the detail part of the screen, enter the pay period ending date and the SSN, and the screen to be validated. Data needs to be set up so selected employee will have data for the screens presently available for viewing thru the QHISTPP screen. See validation 2.
- C. **Validation 1:** Verify there is history for pay period ending 01/01/2000 and history for pay period ending 12/30/2000 for selected employee.
- D. **Validation 2:** Verify there is history for select screens: TADIST,ADJ,COLA, ALLOT, LOAN, BOND, NEBA, MIL, MISC, FTAX, CTAX, BANKRUPT,INDEBT, CHILDSP, GARNISH, INSADJ, OTHADJ, LUMP, AL, CT RCT CREDIT, LWOP,RESTLV,SL, COP, HOMELV,RECIPIEN, OTHLV, TOA, FORMSTX, FORMCTX, YTDADJ1, TYDTSP, YTDDED1, RETIRADJ,TRANSIN, and LIMIT.

**NASA PERSONNEL PAYROLL SYSTEM  
RELEASE DESCRIPTION  
SOFTWARE RELEASE 8.0.3  
SEPTEMBER 2001**

The purpose of this release is to implement the changes allocated to software release 8.0.3 described below.

**SOFTWARE RELEASE 8.0.3**

DR 1620s IMPLEMENTED

20010001	Payroll History Being Overlaid
----------	--------------------------------

**\*\*\*\*\* RECORD COUNT = 01**

## **APPENDIX D**

# **INSTALLATION INSTRUCTIONS**



# **NASA PERSONNEL PAYROLL SYSTEM RELEASE DESCRIPTION SOFTWARE RELEASE 8.0.3 SEPTEMBER 2001**

## **Introduction**

Release Date – January 17, 2001

Release Inventory:

Dataset Names:

The following datasets are located on the transient storage DASD volumes under the following data sets names:

- MSMOV.NPPS.PROD.R803.R0101.DOC
- MSMOV.NPPS.PROD.R803.R0101.SRC
- xxMOV.NPPS.PROD.R803.R0101.PRD

Physical media:  
VDD

In case of installation problems contact the NACC Technical Services Center  
(Use following Key Words: SESAAS & NPPS):

Telephone: (256) 544-5516  
E-Mail: billy.graham@msfc.nasa.gov  
Fax: (256) 544-1836

## **Installation Sequence**

The sequence in which the installation of this release should occur is provided in the following list. Applicable sections are listed in the Installation Checklist.

- 1.0 Backup Existing Data
- 2.0 Copy Source/Object Code
- 3.0 Pre-Predict Data Conversion
- 4.0 Install Predict
- 5.0 Install Data Glossary
- 6.0 Catalog Source Code
- 7.0 Post-Predict Data Conversion
- 8.0 JCL/BJS/Xerox Modifications
- 9.0 Special Instructions
- 10.0 Installation Checklist
- 1.0 BACKUP EXISTING DATA**

It is advisable to back up all NPPS files as a precautionary measure prior to installation of software release.

## **2.0 COPY SOURCE/OBJECT CODE**

### **2.1 Copy Source Modules**

When installing software release 8.0.3, load the NPPS new and modified programs from dataset MSMOV.NPPS.PROD.R803.R0101.SRC using the Natural utility NATLOAD. The source programs were unloaded using the Natural utility NATUNLD. The programs will be loaded to the application library NPPS, replacing any existing programs of the same name. The source module counts included in this release are listed below:

#### Natural Source Modules by Type

Global Data Areas	0
Local/Param Data Areas	1
Maps	6
Help routines	0
Subroutines	1
Subprograms	1
Programs	45
Copycode	0
Text	0
Process	0
Miscellaneous Objects	0
=====	
Total Programming Objects	54

Total Views Unloaded	0
Total Objects Read	54
Total Object Unloaded	54

## 2.2 List of Source Code Modifications

The following is a list of all modules that were modified for the software release 8.0.3.

Programs	Description of programs
NAB109	Donated Annual Leave History
NAB303	Work Years and Personnel Costs Report
NAB6160	History File Update, Part 1
NAB6161	History File Update, Part 2
NAL6161B	NAB6161 Local Area
NAM1590	QHISTPP Screen
NAM1591	QHIST1 Screen 1
NAM1592	QHIST1 Screen 2
NAM1593	QHIST1 Screen 3
NAM1594	QHIST1 Screen 4
NAM1595	QHIST1 Screen 5
NAO1110	Employee T&A Distribution
NAO1211	Earnings and Refunds Adjustments
NAO1213	Cola and Foreign Differential
NAO1231	Voluntary Savings Allotments
NAO1232	TSP Loan Repayment Allotments
NAO1233D	Bond Processing Subroutine
NAO1234	NEBA Life Insurance
NAO1235	Military Deposit Deductions
NAO1236	Miscellaneous Voluntary Deductions
NAO1241	Federal and State Taxes
NAO1242	City and County Taxes
NAO1251	Invol Deductions Bankruptcy
NAO1252	Invol Deductions Agency Indebtedness
NAO1253	Invol Deductions Child Support
NAO1254	Commercial Debts to Creditors
NAO1262	Employee Insurance Adjustments
NAO1263	Employee Other Adjustments
NAO1270	Lump Sum Leave/Reactivations
NAO1280	PCS Travel Adjustment B/W
NAO1310	Annual Leave
NAO1320	Compensatory Time
NAO1330	Religious Compensatory Time
NAO1340	Credit Hours
NAO1350	Leave Without Pay Hours
NAO1360	Restored Leave
NAO1370	Sick Leave



NAO1380	Continuation of Pay Leave
NAO1382	Home Leave
NAO1383	Donated Annual Leave
NAO1390	Other Leave Used YTD
NAO1395	Time Off Awards (TOA)
NAO1395A	Screen Edit and History Data Display
NAO1410	Mer Former State Taxes
NAO1420	Mer Former City/County Taxes
NAO1431B	YTD Earnings and Premium Hours Worked
NAO1432B	YTD Leave Cost
NAO1441	YTD Deductions 1
NAO1442B	YTD Deductions TSP Savings Plan
NAO1443	Retirement Adjustments
NAO1444	Transfer In Data
NAO1450	Appointment Limitations
NAO1590	Pay Period History Query
NAO1591	Pay Period History Summary

RELEASE PROGRAMS (MOD) ==> 54

### **2.3 List of Source Code Additions**

Not Applicable

### **2.4 List of Source Code Deletions**

Not Applicable

## **3.0 PRE-PREDICT DATA CONVERSION**

Not Applicable

## **4.0 INSTALL PREDICT**

This release includes the enhancements for version 8.0.0 Fix 1. Details for changes in this release can be found under paragraph 4.1.3, Physical File Changes, or by performing Predict reporting on the keyword NPPS-8.0.0.

Use SYSDICBE to load the PREDICT modifications from the dataset xxMOV.NPPS.PROD.R803.R0101.PRD.

The following NPPS Data Definition Modules (DDMs) should be generated after the PREDICT load is complete.

NPS2-PAYHIST-ONE

## NPS2-PAYHIST-TWO

### 4.1.1 Inventory of Objects

The object types and inventory listed below represent a comprehensive count of the PREDICT object modules for this release.

Predict Objects by Type:

Keyword	1
Standard Files	0
Conceptual Files	0
ADABAS Files and Views	2

### 4.1.2 Storage Considerations

The changes represented by this release could affect associator NI storage by as much as 25% for each of these two files.

### 4.1.3 Physical File Changes

Use the ADABAS Utility commands listed below to build the JCL for the file changes. Cut and paste the ADADBS control statements directly into the TSO ISPF editor. Call RICK BISHOP (256)544-5352 with any questions or problems.

Release the following superdescriptors:

#### NPS2-PAYHIST-ONE

#### File # 225

Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*	-----	-----	*	*	--	*
	1	PAY-ONE-INST-YR-PP-SSN	A	23		S		ZC	N

Using the following command:

ADADBS RELEASE FILE=225,DESCRIPTOR='ZC'

#### NPS2-PAYHIST-TWO

#### File # 226

Ty	L	Field ID	F	Length	Occ	D	U	DB	S
*-	-	-----	*	-----	-----	*	*	--	*
	1	PAY-TWO-INST-YR-PP-SSN	A	23		S		ZC	N

Using the following command:

ADADBS RELEASE FILE=226,DESCRIPTOR='ZC'

Invert the following superdescriptors:

#### NPS2-PAYHIST-ONE

File # 225

Ty	L	Field ID	F	Length	Occ	D	U	DB	S
* -	-	-----	* -	-----	-----	*	*	--	*
	1	PAY-ONE-INST-YR-PP-SSN	A	23		S		ZC	N

Using the following commands:

```
ADAINV INVERT FILE=225
```

```
ADAINV TEMPSIZE=350, SORTSIZE=350
```

```
ADAINV SUPDE='ZC=AA(1,4),AB(1,8),AC(1,2),AE(1,9)'
```

#### NPS2-PAYHIST-TWO

File # 226

Ty	L	Field ID	F	Length	Occ	D	U	DB	S
* -	-	-----	* -	-----	-----	*	*	--	*
	1	PAY-TWO-INST-YR-PP-SSN	A	23				ZC	N

Using the following commands:

```
ADAINV INVERT FILE=226
```

```
ADAINV TEMPSIZE=350, SORTSIZE=350
```

```
ADAINV SUPDE='ZC=AA(1,4),AB(1,8),AC(1,2),AE(1,9)'
```

## 5.0 INSTALL DATA GLOSSARY

Not Applicable

## 6.0 CATALOG SOURCE CODES

When installing software release 8.0.3, run a batch job to catalog (CATALL) all modules in the NPPS or other named library. It is not necessary to catalog the Global Data Area. The Batch standard parameters should be used for the compile.

After objects are compiled, the NPPS application will run under the On-line standard parameters.

## 7.0 POST-PREDICT DATA CONVERSION

Not Applicable

## **8.0 JCL/BJS/Xerox MODIFICATIONS**

Not Applicable

## **9.0 SPECIAL INSTRUCTIONS**

### **9.1 Update NPPS Release Number**

The following processes will update the NPPS software numbers:

1. Execute program TOOLVRSN from the Natural Command line.
2. When installing software release 8.0.3, enter "8.0.3" for software version number.
3. Press ENTER; a confirmation message displays.
4. Press PF3 to exit the program.

## **10.0 INSTALLATION CHECKLIST**

- 1.0 Back Up Existing Data
- 2.0 Copy Source/Object Code
- 4.0 Install Predict
- 6.0 Catalog Source Code
- 9.0 Special Instructions